Table of Contents: Volume 26 (2000)

Numbers 1/2

Special Issue: Neural Networks for Signal Processing
Guest Editors: Tülay Adalı, Marc Van Hulle, Mahesan Niranjan

Guest Editors' Introduction ..... *Tülay Adalı, Marc Van Hulle and Mahasan Niranjan* 5
On the Stability of Source Separation Algorithms ..... *Jean-François Cardoso* 7
Blind Source Separation for Non-Stationary Mixing ..... *Richard Everson and Stephen Roberts* 15
Flexible Independent Component Analysis..... *Seungjin Choi, Andrzej Cichocki and Shun-Ichi Amari* 25
On-line Convolutive Blind Source Separation of Non-Stationary Signals .... *Lucas Parra and Clay Spence* 39
Gradient Adaptive Algorithms for Contrast-Based Blind Deconvolution ... *Scott C. Douglas and S.Y. Kung* 47
Learning from Examples with Information Theoretic Criteria .....
..... *Jose C. Principe, Dongxin Xu, Qun Zhao and John W. Fisher III* 61
Hill-Climbing, Density-Based Clustering and Equiprobabilistic Topographic Maps..... *Marc M. Van Hulle* 79
Assessing the Number of Components in Finite Gaussian Mixtures by Generalised Fisher Ratio, Normalised Entropy Criterion and Functional Merging ..... *Christophe G. Molina* 95
Advanced RNN Based NARMA Predictors ..... *Danilo P. Mandic and Jonathon A. Chambers* 105
Dynamic Learning with the EM Algorithm for Neural Networks .....
..... *J.F.G. de Freitas, M. Niranjan and A.H. Gee* 119
Split and Merge EM Algorithm for Improving Gaussian Mixture Density Estimates .....
..... *Naonori Ueda, Ryohei Nakano, Zoubin Ghahramani and Geoffrey E. Hinton* 133
A General Probabilistic Formulation for Supervised Neural Classifiers .....
..... *Hongmei Ni, Tülay Adalı, Bo Wang and Xiao Liu* 141
Adaptive Metric Kernel Regression ..... *Cyril Goutte and Jan Larsen* 155
Neural Network Modelling with Input Uncertainty: Theory and Application .....
..... *W.A. Wright, G. Ramage, D. Cornford and I.T. Nabney* 169

Number 3

A Specification Refinement Methodology for Power Efficient Partitioning of Data-Dominated Algorithms Within Performance Constraints .....
..... *K. Masselos, K. Danckaert, F. Catthoor, N. Zervas, C.E. Goutis and H. DeMan* 291
A Low Power 8 × 8 Direct 2-D DCT Chip Design .....
..... *Hao-Chieh Chang, Jiun-Ying Jiu, Li-Lin Chen and Liang-Gee Chen* 319
Reconfigurable Filter Coprocessor Architecture for DSP Applications.....
..... *S. Ramanathan, S.K. Nandy and V. Visvanathan* 333
Constant Number Serial Pipeline Multipliers..... *K.Z. Pekmestzi and P. Kalivas* 361
A Hardware Architecture for the LZW Compression and Decompression Algorithms Based on Parallel Dictionaries ..... *Ming-Bo Lin* 369
Adaptive CFAR PI Processor for Radar Target Detection in Pulse Jamming .....
..... *Vera P. Behar, Christo A. Kabakchiev and Lyubka A. Doukovska* 383
A New Neuro-Fuzzy Classifier with Application to On-Line Face Detection and Recognition.....
..... *J.S. Taur and C.W. Tao* 397